

RAW SEQUENCE LISTING

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Information Center (STIC) no errors detected.**

Application Serial Number: 10/539,215
Source: P4/10
Date Processed by STIC: 6/27/05

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PCT

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DATE: 06/27/2005

PATENT APPLICATION: US/10/539,215

TIME: 10:37:14

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\06272005\J539215.raw

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3 <110> APPLICANT: Agrinomics LLC
5 <120> TITLE OF INVENTION: GENERATION OF PLANTS WITH ALTERED OIL CONTENT
7 <130> FILE REFERENCE: 6616-71314-07
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/539,215
C--> 9 <141> CURRENT FILING DATE: 2005-06-17
9 <150> PRIOR APPLICATION NUMBER: PCT/US2003/040988
10 <151> PRIOR FILING DATE: 2003-12-18
12 <150> PRIOR APPLICATION NUMBER: 60/434,601
13 <151> PRIOR FILING DATE: 2002-12-18
15 <160> NUMBER OF SEQ ID NOS: 2
17 <170> SOFTWARE: PatentIn version 3.2
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 1545
21 <212> TYPE: DNA
22 <213> ORGANISM: Arabidopsis thaliana
24 <400> SEQUENCE: 1
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27 tctgataccg tcggattgga acaggtgttg ccggcgatcg cgccatggtg tacatcggtt      120
29 cacattaccg ctgcacctca tggatcactc aaaggaaact tgacgatcgt cgatgagcgt      180
31 acggggaaga aatatcaggt ccctgtctca gagcatggta ccgttaaagc cgttgatctc      240
33 aagaagataa cgacggggaa ggatgataag gggctgaagt tgtacgatcc tggttacttg      300
35 aacacggctc cggttcgatc ttcgatttgt tacatcgacg gagatgaagg aatcttacgt      360
37 tatcggggat acccaattga agagttggct gagagcagta cttttattga ggttgcttat      420
39 ctctcatgt atggaaatct gccttctcaa agtcagctag ctgattggga gttcactgtt      480
41 tctcagcatt cagctgtgcc acaaggagta ttggatatca tacagtccat gcctcatgat      540
43 gcacacccaa tgggagttct tgtgagtgcc atgagtgcac tttctatctt tcacctgat      600
45 gcaaatectg ctcttagtgg ccaagacatt tacaagtcaa aacaagttcg tgataaacag      660
47 attgttcgca ttctcggaaa ggcaccaaca attgcagcag ctgcttattt gaggacggca      720
49 ggcaggctc ctgttcttcc ttcggccaac cttcttatt cagagaattt cctctatatg      780
51 ctggattcaa tgggcaatag gtcttacaag cctaatectc gtttggtcgc agtgctggac      840
53 atcctcttca tactgcatgc tgaacatgaa atgaactgct ctactgctgc tgctcggcat      900
55 cttgcctcta gtggtgttga tgtgtacacc gcatgtgctg gagctgttg ggcgctttat      960
57 ggtccacttc atggtggcgc gaacgaggcc gtgcttaaga tgttagcaga gattgggact      1020
59 gctgaaaata ttccagattt cattgaaggc gtgaagaaca gaaagaggaa gatgtcaggt      1080
61 tttggacatc gtgtttacaa aaactatgac ccccgagcaa aagttataaa aaaactggca      1140
63 gatgaagtgt tctccattgt tggtagggat cctctcatcg aggtagcagt tgctctagag      1200
65 aaggcggcac tgtctgatga atattttgtt aagagaaagc tgtacccaaa tgttgatttc      1260
67 tactctggat taatctatag ggcaatggga tcccaccag aattcttcac agtctgttc      1320
69 gcagtcccgc gtatggctgg atacttgtca cactggcgtg agtcgttaga tgatcctgac      1380
71 actaggatca tgagacccca acaggcctat actggagtgt ggatgaggca ttacgagcca      1440
73 gtgagagaac gaacgttatc aagtgattcg gataaggata agtttggtca agtttccatt      1500
75 tcgaatgcat caagaaggcg tttagctgga tcatctgccc tttag      1545
78 <210> SEQ ID NO: 2

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79 <211> LENGTH: 514

80 <212> TYPE: PRT

81 <213> ORGANISM: Arabidopsis thaliana

83 <400> SEQUENCE: 2

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86 1           5           10          15
89 His Leu Ala Val Ser Asp Thr Val Gly Leu Glu Gln Val Leu Pro Ala
90           20          25          30
93 Ile Ala Pro Trp Cys Thr Ser Ala His Ile Thr Ala Ala Pro His Gly
94           35          40          45
97 Ser Leu Lys Gly Asn Leu Thr Ile Val Asp Glu Arg Thr Gly Lys Lys
98           50          55          60
101 Tyr Gln Val Pro Val Ser Glu His Gly Thr Val Lys Ala Val Asp Leu
102 65           70          75          80
105 Lys Lys Ile Thr Thr Gly Lys Asp Asp Lys Gly Leu Lys Leu Tyr Asp
106           85          90          95
109 Pro Gly Tyr Leu Asn Thr Ala Pro Val Arg Ser Ser Ile Cys Tyr Ile
110          100          105          110
113 Asp Gly Asp Glu Gly Ile Leu Arg Tyr Arg Gly Tyr Pro Ile Glu Glu
114          115          120          125
117 Leu Ala Glu Ser Ser Thr Phe Ile Glu Val Ala Tyr Leu Leu Met Tyr
118          130          135          140
121 Gly Asn Leu Pro Ser Gln Ser Gln Leu Ala Asp Trp Glu Phe Thr Val
122 145          150          155          160
125 Ser Gln His Ser Ala Val Pro Gln Gly Val Leu Asp Ile Ile Gln Ser
126          165          170          175
129 Met Pro His Asp Ala His Pro Met Gly Val Leu Val Ser Ala Met Ser
130          180          185          190
133 Ala Leu Ser Ile Phe His Pro Asp Ala Asn Pro Ala Leu Ser Gly Gln
134          195          200          205
137 Asp Ile Tyr Lys Ser Lys Gln Val Arg Asp Lys Gln Ile Val Arg Ile
138          210          215          220
141 Leu Gly Lys Ala Pro Thr Ile Ala Ala Ala Tyr Leu Arg Thr Ala
142 225          230          235          240
145 Gly Arg Pro Pro Val Leu Pro Ser Ala Asn Leu Ser Tyr Ser Glu Asn
146          245          250          255
149 Phe Leu Tyr Met Leu Asp Ser Met Gly Asn Arg Ser Tyr Lys Pro Asn
150          260          265          270
153 Pro Arg Leu Ala Arg Val Leu Asp Ile Leu Phe Ile Leu His Ala Glu
154          275          280          285
157 His Glu Met Asn Cys Ser Thr Ala Ala Ala Arg His Leu Ala Ser Ser
158          290          295          300
161 Gly Val Asp Val Tyr Thr Ala Cys Ala Gly Ala Val Gly Ala Leu Tyr
162 305          310          315          320
165 Gly Pro Leu His Gly Gly Ala Asn Glu Ala Val Leu Lys Met Leu Ala
166          325          330          335
169 Glu Ile Gly Thr Ala Glu Asn Ile Pro Asp Phe Ile Glu Gly Val Lys
170          340          345          350
173 Asn Arg Lys Arg Lys Met Ser Gly Phe Gly His Arg Val Tyr Lys Asn

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174          355          360          365
177 Tyr Asp Pro Arg Ala Lys Val Ile Lys Lys Leu Ala Asp Glu Val Phe
178          370          375          380
181 Ser Ile Val Gly Arg Asp Pro Leu Ile Glu Val Ala Val Ala Leu Glu
182 385          390          395          400
185 Lys Ala Ala Leu Ser Asp Glu Tyr Phe Val Lys Arg Lys Leu Tyr Pro
186          405          410          415
189 Asn Val Asp Phe Tyr Ser Gly Leu Ile Tyr Arg Ala Met Gly Phe Pro
190          420          425          430
193 Pro Glu Phe Phe Thr Val Leu Phe Ala Val Pro Arg Met Ala Gly Tyr
194          435          440          445
197 Leu Ser His Trp Arg Glu Ser Leu Asp Asp Pro Asp Thr Arg Ile Met
198          450          455          460
201 Arg Pro Gln Gln Ala Tyr Thr Gly Val Trp Met Arg His Tyr Glu Pro
202 465          470          475          480
205 Val Arg Glu Arg Thr Leu Ser Ser Asp Ser Asp Lys Asp Lys Phe Gly
206          485          490          495
209 Gln Val Ser Ile Ser Asn Ala Ser Arg Arg Arg Leu Ala Gly Ser Ser
210          500          505          510
213 Ala Leu

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VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date